



Help Greasy with



DO put grease in a soup can, freeze it and then throw it in the trash can!

DON'T pour grease or cooking oil in the kitchen sink.

DO use a paper towel to wipe out a frying pan, and then put the paper towel and food scraps in the trash.

DON'T use hot water to rinse grease off cooking utensils or eating utensils.

NEVER put any item in the toilet except toilet tissue!

Items like those listed below can cause problems in the lines and treatment plants:

Baby and disinfecting wipes, toilet scrubber sponges, mop refills, paper towels, rags, shop towels, Kleenex, disposable diapers, dental floss, hygiene products, syringes, cotton swabs, razors, surgical gloves, anything plastic, cat litter, cigarette butts, cosmetics, medicines, paint, pesticides, etc.

Please report anyone dumping any type of material into manholes to Environmental Services at 704-638-5375. It is against the law!

N.C. General Statute Chapter 143, Article 21, Part 1, 143-215.1C requires municipalities that operate wastewater collection and treatment systems to publish an annual report summarizing the performances of their collection system and treatment works and the extent to which the system has violated their permit, federal or state laws, regulations, or rules related to the protection of water quality.



The National Association of Clean Water Agencies recognized the Salisbury-Rowan Wastewater Treatment Plant with the Platinum 9 Award for an outstanding compliance record for nine consecutive years. The treatment plant had no NPDES violations and was 100% compliant in 2012. The Second Creek WWTP received the Gold Award which recognizes 100 % compliance with NPDES permits for the 2012 calendar year.

Treatment and Collection Staff Contacts:

Wastewater Treatment Plants Manager
Martin Trexler – 704-638-5374

Operator in Responsible
Charge of Salisbury-Rowan WWTP
Martin Trexler – 704-638-5374

Operator in Responsible
Charge of Second Creek WWTP
James Barringer – 704-638-5377

Operator in Responsible
Charge of Residuals Management
Martin Trexler – 704- 638-5374

Operator in Responsible
Charge of Collection System -
Randy Allman – 704-638-5390

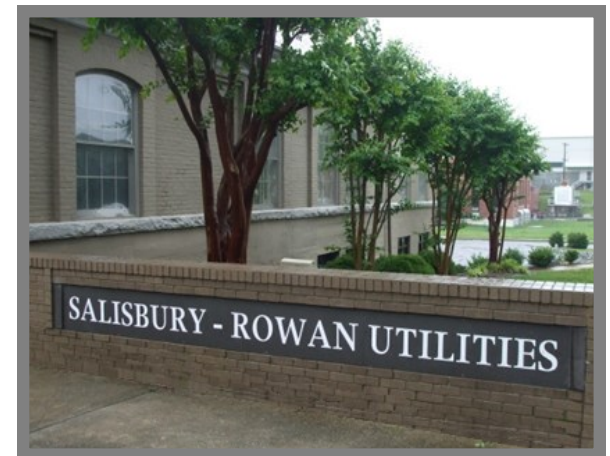
Laboratory Supervisor
Tim Brown - 704-638-5376

This report covers the calendar year from January 1 through December 31, 2013 and is available on-line at
www.salisburync.gov.

Any questions pertaining to this report should be directed to
Environmental Services Manager,
Sonja Basinger at 704-638-5375.



2013 Annual Wastewater System Report



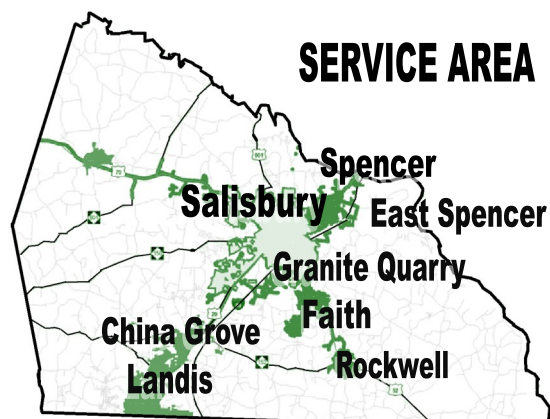
Our Mission is to provide our customers with high quality water and wastewater services in addition to protecting the environment, promoting public health, improving the quality of life and maintaining the public trust.

Salisbury-Rowan Utilities (SRU) provides wastewater treatment at the Town Creek treatment train located near Interstate 85 and the Grant Creek treatment train off of Grubb Ferry Road. The effluents at both trains are disinfected with sodium hypochlorite and then the combined effluents from both trains are dechlorinated with sodium bisulfite at the Salisbury-Rowan Wastewater Treatment Plant (WWTP) and discharged into the Yadkin River.

SRU treats industrial, commercial and residential waste from Salisbury, Landis, China Grove, Spencer, East Spencer, Rockwell, Faith and Granite Quarry. Gravity sewer lines, force mains and lift stations collect and pump the wastewater to the treatment trains. An average of 7 million gallons per day is treated using a process called activated sludge. Trash and rags are first removed by bar screens. Heavy particles such as sand and grit settle out as the flow slows in the grit chamber. The wastewater is then pumped to aeration basins, which contain *activated sludge*. The microorganisms or “bugs” feed on the wastewater particles. The process then moves to clarifiers where the “bugs” settle out leaving clear treated wastewater or *effluent*. Sodium hypochlorite is used for disinfection at the Salisbury-Rowan WWTP.

Solids “left over” from the treatment process are separated from the treated effluent by a filter belt press. The solid material or “biosolids” that is left is applied to permitted farmland in Rowan County as a substitute for fertilizer. Only crops grown for animal feed can be raised after biosolids are applied. SRU’s Land Application Program (Permit # WQ001956) experienced another successful year in 2013. A combined total of 1,492.94 dry tons were land applied across 292.2 acres of farmland. Salisbury-Rowan Utilities has a total of 1,441.9 acres of land permitted.

SRU operates a North Carolina certified municipal laboratory where tests are analyzed 5 days per week.



New Second Creek Lift Station

Salisbury-Rowan WWTP (Permit NC0023884)- no permit violations and no reportable overflows (bypasses) in 2013.

Second Creek WWTP (Permit NC0078361)

The package plant treats an average of 10,000 gallons per day in essentially the same manner as the Salisbury-Rowan WWTP but on a smaller scale. Sodium hypochlorite is used for disinfection and ascorbic acid is used for dechlorination of the effluent, which is then discharged into Second Creek. Solids are pumped and hauled to the Town Creek treatment train. The Second Creek WWTP had the following effluent permit limit violations in 2013: January– monthly average violation for TSS; June– monthly average and weekly average violations for TSS, and a chronic toxicity violation. Second Creek WWTP had no reportable overflows (bypasses) in 2013. The Second Creek WWTP was taken offline October 16, 2013. The wastewater flow is redirected to the Salisbury-Rowan WWTP.

SRU Collection System Reportable Sanitary Sewer Overflows (Permit WQCS00019)

Date	Location	Gallons	Gallons into stream	Receiving Stream	Cause
2/11/13	E. Innes & I-85 Intersection	335	335	Town Creek	Debris & Grease
2/13/13	217 Harrell Street	100	100	Town Creek	Roots
	Total Gallons	435	435		

All discharges of any amount that reach surface waters are reported to the Division of Water Resources at the Mooresville Regional Office. In addition, any spills to the ground that exceed 1,000 gallons are reported. If a discharge of 1,000 gallons or more reaches surface waters, a public notice is placed in The Salisbury Post within 48 hours. If a discharge is more than 15,000 gallons, a public notice is also placed in The Stanly News and Press to notify the affected area downstream of Salisbury.

East Spencer Collection System Sewer Overflows (Permit No. WQCS00342) - no reportable sanitary sewer overflows in 2013.